

CHAIN OF CUSTODY RECORD

12/3/83

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	REMARKS					
SAMPLERS: (Signature)												
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION							
314102		WOODSTOCK LANDFILL					M-1615 - 10/21/83 10/21/83					
Paul George... George... George... George...												
S05	12/22	1229	X	X	#100 DORR TWP GARAGE NO 112411	X					5-022443	
S67	12/22	1255	X	X	#01 Levo4 Eddy House	X					5-022447	
S68	12/22	1320	X	X	102 2018 Dean St	X					5-022448	
S07	12/22	1320	X	X	102A 2018 Dean - Inside	X					5-022449	
S70	12/22	1320	X	X	102 2015 Dean St	X					5-022450	
S71	12/22	1325	X	X	150 2713 Dean St	X					5-022445	
S06	12/22	1277	X	X	DORR TWP... 2000...	X					5-022444	

Relinquished by: (Signature) <i>Paul George...</i>	Date / Time 12-22-83	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

SUBURBAN LABS
4140 LITE DR.
HILLSIDE, IL
7007
1000

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

QUESTIONNAIRE

Name Dor Township Garage
Address 12322 Dur's Rd
Woodstock IL
Telephone (815) 339-1060
of years at residence 18-20

Source of Water:

- Municipal Well whole house usage
 Private well irrigation and/or livestock usage
 Private well ~~whole house~~ ^{garage} usage
If private well for whole ^{garage} house:
Depth of well ~250'
Date well installed ~18-20 yrs ago
Name of Driller _____

Have water softener

Have filter for water

Have used Agricultural Chemicals on property in the past
Possible but not known - road salt on property.
If so which ones:

Type of usage:

Drinking water (previously, currently on bottled.)
and washing cars/vehicles.

Sarah Marie van Borch
Signature

12/22/88
Date

QUESTIONNAIRE

Name Lo. Roy Eddy

Address 2424 Dean St.
Woodstock

Telephone (915) 338 4156

of years at residence ~ 29

Source of Water:

- Municipal Well whole house usage
- Private well irrigation and/or livestock usage
- Private well whole house usage

If private well for whole house:

Depth of well ~ 71' - 76'

Date well installed 29 yrs ago

Name of Driller McHenry Co.

- Have water softener
- Have filter for water ^{for rust} and drinking water filter
- Have used Agricultural Chemicals on property in the past
Not here.
If so which ones: some fertilizer

Type of usage:

Household

Alexander G. ...
Signature

12/22/88
Date

QUESTIONNAIRE

Name Larry Eddy
Address 2619 Pearl
Woodstock IL
Telephone 815 338 5494
of years at residence ~12 yrs.

Source of Water:

- Municipal Well whole house usage
- Private well irrigation and/or livestock usage
- Private well whole house usage (2 horses on well)

If private well for whole house:

Depth of well ~250'
Date well installed ~45 yrs ago
Name of Driller ?

- Have water softener Culligan
- Have filter for water think not - check Larry?
- Have used Agricultural Chemicals on property in the past
farmland around

If so which ones:

weed killers
Atrazine

Type of usage:

Household - horses -

Alexandine van Borse
Signature

12/22/98
Date

QUESTIONNAIRE

Name Winter Dalitach (26155 Rd from Barry Eddles) ^{not today's contact}

Address ? 2615 Dean
Woodstock IL

Telephone ?

of years at residence _____

Source of Water:

- Municipal Well whole house usage
- Private well irrigation and/or livestock usage
- Private well whole house usage some cattle

If private well for whole house:

Depth of well ~71-76'

Date well installed ~27 yrs ago

Name of Driller McHenry Co.

Have water softener

Have filter for water

Have used Agricultural Chemicals on property in the past

If so which ones:

Atrazine

Type of usage:

Household, livestock drinking

Jacqueline Y. Van Buren
Signature

12/22/88
Date

Field Sample Data Sheet

Site Name _____ County McHenry State ILCollectors Gene Poyle + Al + Al Jacob Van Buse EPA Site Number _____Sample # _____ Date Collected 12/22/88 Temperature _____ °F
Sample Tag # _____ Time _____

TRANSECT INFORMATION

Letter _____ Station # 150 ^{213 DEAD SPNA} _{BLANK} Compass Direction _____ Distance Between Stations _____ to _____ = _____ ft.

GROUNDWATER	SURFACE WATER	AIR
Water Table Depth: _____ ft. Sample Depth: _____ ft. Color: _____ Odor: _____ Oil: _____ Device: _____	Color: _____ Odor: _____ Temp: _____ pH: _____ Stream Data (measure after sample collection) Width: _____ ft. Depth: _____ ft. or in. Velocity: _____ ft/sec Flow direction: _____ Device: _____ Van Dorn Kemmerer Bucket Direct Surface: _____ Bottom: _____	Media: _____ Wind Direction: _____ Barom. Press.: _____ Time Ran: _____ min. Avg. Flow Rate: _____ l/min. Device: _____
SOIL	WASTE	SEDIMENT
Device: _____ Auger Core Split Spoon Cylinder Cup Spade Depth: _____ ft. or in. Soil Type: _____ Rock Silts Gravel Muck Sand Loam Clay Peat Color: _____	Color: _____ Odor: _____ Solid Sludge Liquid Device: _____ Bucket Trowel Core Other _____	Color: _____ Odor: _____ Bottom: _____ Coze Sand Gravel Clay Rock Shell Organic Device: _____ Ponar Eckman Bucket Trowel
SAMPLE PREPARATION	ANALYSIS	
Container: _____ <u>Glass jar</u> <u>Plastic jar</u> Acetate core Teflon cap Foil cap Cleaning Procedure: Low-High Concentration Detergent Wash Hexane Rinse Other Solvent Rinse-specify _____	Storage: _____ <u>WET ICE</u> Dry ice Ambient Preservative Added: <u>5ml</u> <u>HNO₃</u>	Organics: _____ Volatiles Base/Neutral Acid Pesticide PCB EP Tox-Organics Incineration Parameters Landfill Disposal Parameters Compatibility Other _____
		Inorganics: _____ <u>Metals</u> <u>Quartz</u> <u>Tox-Metals</u>

REMARKS

DW - BLANK w/ HNO₃

WESTON

Field Sample Data Sheet

Site Name 2615 Dean St. County McHenry State IL
 Collectors Ed Granske, Mike LaRossa EPA Site Number _____

Sample # _____ Date Collected 12/22/98 Temperature _____°F
 Sample Tag # _____ Time 1:37

TRANSECT INFORMATION

Letter _____ Station # 103 Compass Direction _____
 Distance Between Stations _____ to _____ = _____ ft.

GROUNDWATER

~~SURFACE WATER~~ Groundwater AIR

Water Table Depth: _____ ft.
 Sample Depth: ~71-76' ft.
 Color: Clear
 Odor: none
 Oil: _____
 Device: _____

Color: _____ Odor: _____
 Temp: 10°C pH: 6.8
 Stream Data (measure after sample collection)
 Width: _____ ft.
 Depth: _____ ft. or in.
 Velocity: _____ ft/sec
 Flow direction: _____
 Device: _____

Media: _____
 Wind Direction: _____
 Barom. Press.: _____
 Time Ran: _____ min.
 Avg. Flow Rate: _____ l/min.
 Device: _____

SOIL

SEDIMENT

Device:
 Auger
 Core
 Split Spoon
 Cylinder Cup
 Spade
 Depth: _____ ft. or in.
 Soil Type:
 Rock Silt
 Gravel Muck
 Sand Loam
 Clay Peat
 Color: _____

Van Dorn
 Kemmerer
 Bucket
 Direct
 Surface: _____
 Bottom: _____

Color: _____ Odor: _____
 Bottom:
 Coarse Sand
 Gravel Clay
 Rock Shell
 Organic
 Device:
 Ponar
 Eckman
 Bucket
 Trowel

WASTE

Color: _____ Odor: _____
 Solid—Sludge—Liquid
 Device:
 Bucket
 Trowel
 Core
 Other _____

SAMPLE PREPARATION

ANALYSIS

Container: _____ Storage: _____
 Glass jar Wet Ice
Plastic jar Dry Ice
 Acetate core Ambient
 Teflon cap Preservative Added: 5ml
 Foil cap HNO₃
 Cleaning Procedure:
 Low—High Concentration Water Rinse
 Detergent Wash Acetone Rinse
 Hexane Rinse
 Other Solvent Rinse—specify _____

Organics: _____ Inorganics: _____
 Volatiles Metals
 Base/Neutral Cyanide
 Acid EP Tox—Metals
 Pesticide
 PCB
 EP Tox—Organics
 Incineration Parameters
 Landfill Disposal Parameters
 Compatibility
 Other _____

#103 - FROM AN OUTSIDE WELL, PUMP HANDLED

REMARKS

WESTON

Field Sample Data Sheet

Site Name _____ County Jefferson State LA

Collectors Ed Garsine Thane Holie Kevin Van Bross EPA Site Number _____

Sample # _____ Date Collected 2/22/83 Temperature _____ °F
 Sample Tag # _____ Time _____

TRANSECT INFORMATION

Letter 31 Station # 31 2313 Pfan 3 Pfan 4 Pfan 4 H10 2/22/83 H10 Compass Direction _____ Distance Between Stations _____ to _____ = _____ ft.

GROUNDWATER	SURFACE WATER	AIR
Water Table Depth: _____ ft. Sample Depth: _____ ft. Color: _____ Odor: _____ Oil: _____ Device: _____	Color: _____ Odor: _____ Temp: _____ pH: _____ Stream Data (measure after sample collection) Width: _____ ft. Depth: _____ ft. or in. Velocity: _____ ft./sec Flow direction: _____ Device: _____ Van Dorn Kemmerer Bucket Direct Surface: _____ Bottom: _____	Media: _____ Wind Direction: _____ Barom. Press.: _____ Time Ran: _____ min. Avg. Flow Rate: _____ l/min. Device: _____
SOIL	WASTE	SEDIMENT
Device: _____ Auger Core Split Spoon Cylinder Cup Spade Depth: _____ ft. or in. Soil Type: _____ Rock Gravel Sand Clay Color: _____ Silt Muck Loam Peat	Color: _____ Odor: _____ Solid—Sludge—Liquid Device: _____ Bucket Trowel Core Other _____	Color: _____ Odor: _____ Bottom: _____ Coze Sand Gravel Clay Rock Shell Organic Device: _____ Ponar Eckman Bucket Trowel

SAMPLE PREPARATION

Container: _____ Storage: _____
Glass jar Wet ice
Plastic jar Dry ice
 Acetate core Ambient
 Teflon cap Preservative Added: 5ml
 Foil cap HNO₃
 Cleaning Procedure:
 Low—High Concentration Water Rinse
 Detergent Wash Acetone Rinse
 Hexane Rinse
 Other Solvent Rinse—specify _____

ANALYSIS

Organics: _____ Inorganics: _____
 Volatiles Metals
 Base/Neutral Cyanide
 Acid EP Tox—Metals
 Pesticide
 PCB
 EP Tox—Organics
 Incineration Parameters
 Landfill Disposal Parameters
 Compatibility
 Other _____

REMARKS

DW BLANK + HNO₃

WESTON

Field Sample Data Sheet

Site Name 2618 T. road County McHenry State ILCollectors Ep Ganskel + Paul EPA Site Number _____Sample # _____ Date Collected 12/22/88 Temperature _____ °F
Sample Tag # _____ Time 1320

TRANSECT INFORMATION

5-02243 Letter _____ Compass Direction _____ - _____
5-02244 Station # 102 - before treatment Distance Between Stations _____ to _____ = _____ ft.
102A - after treat

GROUNDWATER

Water Table Depth: _____ ft.
Sample Depth: ~250 ft.
Color: clear
Odor: none
Oil: _____
Device: _____~~Surface Water~~ GroundwaterColor: _____ Odor: _____
Temp: 11°C pH: 5.6
pH: 5.3
Stream Data (measure after
sample collection)
Width: _____ ft.
Depth: _____ ft. or in.
Velocity: _____ ft./sec
Flow direction: _____
Device: _____Media: _____
Wind Direction: _____
Barom. Press.: _____
Time Ran: _____ min.
Avg. Flow Rate: _____ l/min.
Device: _____

SOIL

Device: _____
Auger
Core
Split Spoon
Cylinder Cup
Spade
Depth: _____ ft. or in.
Soil Type: _____
Rock Silt
Gravel Muck
Sand Loam
Clay Peat
Color: _____Van Dorn
Kemmerer
Bucket
Direct
Surface: _____
Bottom: _____

SEDIMENT

Color: _____ Odor: _____
Bottom: _____
Coze Sand
Gravel Clay
Rock Shell
Organic
Device: _____
Ponar
Eckman
Bucket
Trowel

WASTE

Color: _____ Odor: _____
Solid—Sludge—Liquid
Device: _____
Bucket
Trowel
Core
Other _____

SAMPLE PREPARATION

Container: _____ Storage: _____
Glass jar Wet ice
Plastic jar Dry ice
Acetate core Ambient
Teflon cap Preservative Added: 5ml
Foil cap HNO₃
Cleaning Procedure: _____
Low-High Concentration Water Rinse
Detergent Wash Acetone Rinse
Hexane Rinse
Other Solvent Rinse-specify _____

ANALYSIS

Organics: _____ Inorganics: _____
Volatiles Metals
Base/Neutral Cyanide
Acid EP Tox-Metals
Pesticide
PCB
EP Tox-Organics
Incineration Parameters
Landfill Disposal Parameters
Compatibility
Other _____

REMARKS

102 - OUTSIDE TAP, BYPASSING WATER SOFTNER
102A - INSIDE TAP, GOING THRU SOFTNER

WESTON

Field Sample Data Sheet

2604
Site Name Loon Lake County Franklin State VTCollectors Ely Garshke Neil Spay EPA Site Number _____
Anna Pettie John Van DornSample # _____ Date Collected 12/22/83 Temperature _____ °FSample Tag # _____ Time 12:55

TRANSECT INFORMATION

5-02297 Letter Station # 101-102 before treatment Compass Direction _____ Distance Between Stations _____ to _____ = _____ ft.
101A after treatment

GROUNDWATER

Water Table Depth: _____ ft.
Sample Depth: 71-76 ft.
Color: Clear
Odor: None
Oil: _____
Device: _____~~SURFACE WATER~~ GroundwaterColor: _____ Odor: _____
Temp: 11.3 C pH: 5.6
101A: 6.2 C
Stream Data (measure after
sample collection)
Width: _____ ft.
Depth: _____ ft. or in.
Velocity: _____ ft/sec
Flow direction: _____

AIR

~~Media: _____
Wind Direction: _____
Barom. Press.: _____
Time Ran: _____ min.
Avg. Flow Rate: _____ /min.
Device: _____~~

SOIL

~~Device:
Auger
Core
Split Spoon
Cylinder Cup
Spade
Depth: _____ ft. or in.
Soil Type:
Rock Silt
Gravel Muck
Sand Loam
Clay Peat
Color: _____~~~~Device:
Van Dorn
Kemmerer
Bucket
Direct
Surface: _____
Bottom: _____~~~~SEDIMENT~~~~Color: _____ Odor: _____
Bottom: _____
Coze Sand
Gravel Clay
Rock Shell
Organic
Device:
Ponar
Eckman
Bucket
Trowel~~

WASTE

~~Color: _____ Odor: _____
Solid—Sludge—Liquid
Device:
Bucket
Trowel
Core
Other _____~~

SAMPLE PREPARATION

Container: Glass jar Storage: Wet ice
Plastic jar Dry ice
Acetate core Ambient
Teflon cap Preservative Added: 5 ml
Foil cap HNO₃
Cleaning Procedure:
Low-High Concentration Water Rinse
Detergent Wash Acetone Rinse
Hexane Rinse
Other Solvent Rinse-specify _____

ANALYSIS

Organics: Volatiles
Base/Neutral
Acid
Pesticide
PCB
EP Tox-Organics
Inorganics: Metals
Cyanide
EP Tox-Metals
Incineration Parameters
Landfill Disposal Parameters
Compatibility
Other _____

REMARKS

101 - OUTSIDE TAP
BY PASSING TREATMENT

WESTON

Field Sample Data Sheet

123 22 Davis Rd. Woodstec

Site Name Garage Tap County Wolfeboro State NHCollectors Ed Gauske EPA Site Number _____Sample # _____ Date Collected 2/22/83 Temperature _____ °FSample Tag # _____ Time 12:27 10°C

TRANSECT INFORMATION

Letter #3-022943

Compass Direction _____

Station # 100 → Dup: #200

Distance Between Stations _____ to _____ = _____ ft.

GROUNDWATER

Water Table Depth: _____ ft.
 Sample Depth: 100 ft.
 Color: Clear
 Odor: none
 Oil: _____
 Device: _____

~~SUBSURFACE WATER~~ Groundwater
 Color: Clear Odor: _____
 Temp: 11°C pH: 6.2
 Stream Data (measure after sample collection)
 Width: _____ ft.
 Depth: _____ ft. or in.
 Velocity: _____ ft./sec
 Flow direction: _____

AIR

Media: _____
 Wind Direction: _____
 Barom. Press.: _____
 Time Ran: _____ min.
 Avg. Flow Rate: 1/min.
 Device: _____

SOIL

Device: _____
 Auger
 Core
 Split Spoon
 Cylinder Cup
 Spade
 Depth: _____ ft. or in.
 Soil Type:
 Rock Silt
 Gravel Muck
 Sand Loam
 Clay Peat
 Color: _____

Device:
 Van Dorn
 Kemmerer
 Bucket
 Direct
 Surface: _____
 Bottom: _____

SEDIMENT

Color: _____ Odor: _____
 Bottom:
 Coze Sand
 Gravel Clay
 Rock Shell
 Organic
 Device:
 Ponar
 Eckman
 Bucket
 Trowel

WASTE

Color: _____ Odor: _____
 Solid—Sludge—Liquid
 Device:
 Bucket
 Trowel
 Core
 Other _____

SAMPLE PREPARATION

Container: _____ Storage: _____
Glass jar Wet ice
Plastic jar Dry ice
 Acetate core Ambient
 Teflon cap Preservative Added: 5ml
 Foil cap (H₂O)
 Cleaning Procedure:
 Low-High Concentration Water Rinse
 Detergent Wash Acetone Rinse
 Hexane Rinse
 Other Solvent Rinse-specify _____

ANALYSIS

Organics: _____ Inorganics: _____
 Volatiles Metals
 Base/Neutral Cyanide
 Acid EP Tox-Metals
 Pesticide
 PCB
 EP Tox-Organics
 Incineration Parameters
 Landfill Disposal Parameters
 Compatibility
 Other _____

#100 → GARAGE TAP
 NO TREATMENT

REMARKS

RECEIVED
JAN 4 1993
TAT REG V

Suburban Laboratories Inc.
4140 Litt Drive
Hillside Illinois 60162

QA/QC for Arsenic by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
0.02 mg/l	19 ----- 38
0.04 mg/l	----- 58
0.06 mg/l	----- 2
Blank	-----

EPA QC : (0.10 mg/l)
100-2/36 x 0.04 mg/l = 0.108 mg/l, % recovery =108

Duplicate :
8-12731 :
 4-2/36 x 0.04 mg/l = 0.002 mg/l

Spike :
8-12735+ 0.06 mg/l (1:1 ratio) = 29 mm
expected =28.5 mm , % recovery = 101

Samples :
8-12729 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12730 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12731 :
 4-2/36 x 0.04 mg/l = 0.002 mg/l
8-12732 :
 2-2/36 x 0.04 mg/l = <0.001 mg/l
8-12733 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12734 :
 3-2/36 x 0.04 mg/l = 0.001 mg/l
8-12735 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l

Suburban Laboratories Inc.
4140 Litt Drive
Hillside Illinois 60162

QA/QC for Selenium by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
0.02 mg/l	24 -----
0.04 mg/l	45 -----
0.06 mg/l	66 -----
Blank	3 -----

EPA QC : (0.02 mg/l)
23-3/21 x 0.02 mg/l = 0.019 mg/l, % recovery = 95

Duplicate :
8-12731 :
4-3/21 x 0.02 mg/l = <0.001 mg/l

Spike :
8-12735+ 0.06 mg/l (1:1 ratio) = 34 mm
expected = 33.5mm, % recovery = 101

Samples :
8-12729 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12730 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12731 :
4-3/21 x 0.02 mg/l = <0.001 mg/l
8-12732 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12733 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12734 :
5-3/21 x 0.02 mg/l = 0.002 mg/l
8-12735 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l

Suburban Laboratories Inc.
4140 Litt Drive
Hillside Illinois 60162

QA/QC for Thallium by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
0.02 mg/l	24 -----
0.04 mg/l	48 -----
0.09 mg/l	108 -----
Blank	0 -----

EPA QC : (0.055 mg/l)
65-0/24 x 0.02 mg/l = 0.054 mg/l, % recovery = 98

Duplicate :
8-12732 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l

Spike :
8-12735+ 0.09 mg/l (1:1 ratio) = 55 mm
expected = 54 mm, % recovery = 102

Samples :
8-12729 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12730 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12731 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12732 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12733 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12734 :
<1-0/24 x 0.02 mg/l = 0.002 mg/l
8-12735 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 - 1183

January 3, 1989

EARL ROSENBERG
President

M.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12729 - Sta. #S65, 1227, 12/22/88
#100, Dorr Twp. Garage
Tag #5-022943

GARAGE
NO TREATMENT

(+) Arsenic (mg/l)	∕ 0.001
(+) Selenium (mg/l)	∕ 0.001
(+) Thallium (mg/l)	∕ 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



, Director (HRT:ih)

RECEIVED

JAN 4 1989

TAT REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60182 • 1183

EARL I. ROSENBERG
President

January 3, 1989

H.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12730 - Sta. #S66, 1227, 12/22/88
200 Garage/Treatment, Tag #5-022944

→ DUPLICATE

(+) Arsenic (mg/l) \leq 0.001
(+) Selenium (mg/l) \leq 0.001
(+) Thallium (mg/l) \leq 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:ih)

RECEIVED

JAN 4 1989

TAT REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 · 1183

EARL I. ROSENBERG
President

January 3, 1989

H.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12731 - Sta. S67, 1255, 12/22/88
#101 Leroy Eddy House, Tag #5-022947

→ NO TREATMENT

(+) Arsenic (mg/l)	0.002
(+) Selenium (mg/l)	∕ 0.001
(+) Thallium (mg/l)	∕ 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:ih)

RECEIVED

JAN 4 1989

TAT REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 · 1183

EARL I. ROSENBERG
President

January 3, 1989

H.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12732 - Sta. #S68, 1320, 12/22/88
#102, 2618 Dean Street, Tag #5-022948

NO TREATMENT

(+) Arsenic (mg/l)	∠ 0.001
(+) Selenium (mg/l)	∠ 0.001
(+) Thallium (mg/l)	∠ 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:lh)

RECEIVED

JAN 4 1989

TAI REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 • 1183

EARL I. ROSENBERG
President

January 3, 1989

H.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12733 - Sta. #S69, 1320, 12/22/88
2618 Dean Street / Inside 102A
Tag #5-022949

TREATED

(+) Arsenic (mg/l)	∠ 0.001
(+) Selenium (mg/l)	∠ 0.001
(+) Thallium (mg/l)	∠ 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:ih)

RECEIVED

JAN 4 1989

TAT REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 - 1183

EARL ROSENBERG
President

January 3, 1989

H.R. THOMAS, JR.
Director

Roy F. Weston, Inc./Sper Division
111 North Canal Street, 8th Floor
Suite #855
Chicago, Illinois 60606

Attention: Ms. Sally Matz,
Environmental Chemist

Re: TAT-05-G2-00844
P. O. #22697
Project: #89WT02

Samples Received: 12/22/88

Source: S/L #8-12734 - Sta. #S70, 1220, 12/22
#103, 2615 Dean Street
Tag #5-022950

NO TREATMENT

(+) Arsenic (mg/l)	0.001
(+) Selenium (mg/l)	0.002
(+) Thallium (mg/l)	1 0.001

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:ih)

RECEIVED

JAN 4 1989

TAT REG V

SUBURBAN LABORATORIES, Inc.

4140 LITT DRIVE

HILLSIDE, ILLINOIS 60162 - 1183

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Re: TAT-05-G2-00844
P. O. #22697
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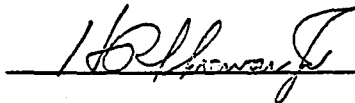
Source: S/L #8-12735 - Sta. #S71, 1325, 12/22/88
#150, 2713 Dean Street, Tag #5-022945

(+) Arsenic (mg/l) \leq 0.001
(+) Selenium (mg/l) \leq 0.001
(+) Thallium (mg/l) \leq 0.001

BLANK

(+) HGA

ANALYSIS CERTIFIED BY:



Director (HRT:ih)

RECEIVED

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TAT REG V

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JAN 4 1989
TAT REG V

Suburban Laboratories Inc.
4140 Litt Drive
Hillside Illinois 60162

QA/QC for Arsenic by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
0.02 mg/l	19 -----
0.04 mg/l	38 -----
0.06 mg/l	58 -----
Blank	2 -----

EPA QC : (0.10 mg/l)
100-2/36 x 0.04 mg/l = 0.108 mg/l, % recovery = 108

Duplicate :
8-12731 :
4-2/36 x 0.04 mg/l = 0.002 mg/l

Spike :
8-12735+ 0.06 mg/l (1:1 ratio) = 29 mm
expected = 28.5 mm , % recovery = 101

Samples :
8-12729 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12730 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12731 :
4-2/36 x 0.04 mg/l = 0.002 mg/l
8-12732 :
2-2/36 x 0.04 mg/l = <0.001 mg/l
8-12733 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l
8-12734 :
3-2/36 x 0.04 mg/l = 0.001 mg/l
8-12735 :
<1-2/36 x 0.04 mg/l = <0.001 mg/l

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Hillside Illinois 60162

QA/QC for Selenium by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
	24
0.02 mg/l	-----
	45
0.04 mg/l	-----
	66
0.06 mg/l	-----
	3
Blank	-----

EPA QC : (0.02 mg/l)
23-3/21 x 0.02 mg/l = 0.019 mg/l, % recovery = 95

Duplicate :
8-12731 :
4-3/21 x 0.02 mg/l = <0.001 mg/l

Spike :
8-12735+ 0.06 mg/l (1:1 ratio) = 34 mm
expected = 33.5mm, % recovery = 101

Samples :
8-12729 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12730 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12731 :
4-3/21 x 0.02 mg/l = <0.001 mg/l
8-12732 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12733 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l
8-12734 :
5-3/21 x 0.02 mg/l = 0.002 mg/l
8-12735 :
<1-3/21 x 0.02 mg/l = <0.001 mg/l

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Hillside Illinois 60162

QA/QC for Thallium by HGA Furnace

Client: Roy F Weston Date Received: 12/22/88

Standard Conc.	mm
	24
0.02 mg/l	-----
	48
0.04 mg/l	-----
	108
0.09 mg/l	-----
	0
Blank	-----

EPA QC : (0.055 mg/l)
65-0/24 x 0.02 mg/l = 0.054 mg/l, % recovery = 98

Duplicate :
8-12732 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l

Spike :
8-12735+ 0.09 mg/l (1:1 ratio) = 55 mm
expected = 54 mm, % recovery = 102

Samples :
8-12729 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12730 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12731 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12732 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12733 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l
8-12734 :
<1-0/24 x 0.02 mg/l = 0.002 mg/l
8-12735 :
<1-0/24 x 0.02 mg/l = <0.001 mg/l